

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
20 January 2005 (20.01.2005)

PCT

(10) International Publication Number  
**WO 2005/005955 A2**

(51) International Patent Classification<sup>7</sup>: **G01N**  
(21) International Application Number:  
PCT/US2004/017979  
(22) International Filing Date: 7 June 2004 (07.06.2004)  
(25) Filing Language: English  
(26) Publication Language: English  
(30) Priority Data:  
60/483,279 27 June 2003 (27.06.2003) US

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicant and  
(72) Inventor (*for all designated States except US*): ZHANG, Yinhua [—/US]; 4 Pine Ridge Road, North Reading, MA 01864 (CN).

(72) Inventor: MCREYNOLDS, Larry; 25 Pickman Road, Beverly, MA 01915 (US).

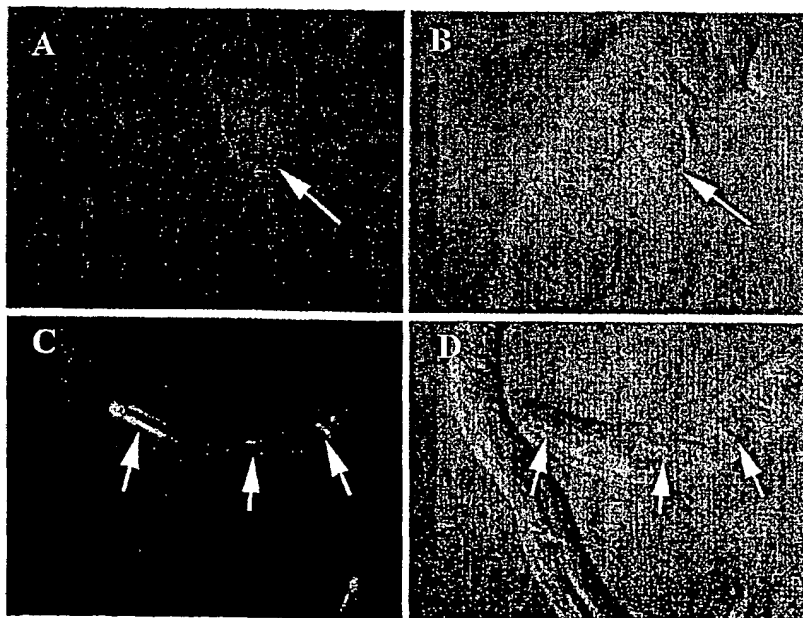
(74) Agent: STRIMPEL, Harriet, M.; New England Biolabs, Inc., 32 Tozer Road, Beverly, MA 01915 (US).

**Published:**

— *without international search report and to be republished upon receipt of that report*

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: SPECIFIC DETECTION OF CHITIN USING CHITIN-BINDING DOMAIN



(57) Abstract: Methods and kits are provided for detecting chitin in biological samples using chitin-binding domain (CBD).

WO 2005/005955 A2

BEST AVAILABLE COPY